

**STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)**

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 1/27/98 - 3/17/98
Site Identifier: S-0307	WRIA: 20.0307
River Mile Location: 20.8	RB/LB: LB
Local Name: Shuwah Creek	Trib. to: 20.0096
Legal Description: NW¼ Sec22 T29N R13W	County: Clallam
Habitat Type: Lower valley wall tributary	

Landowner: (X) Federal (X) State () County () Other Government (X) Private

- Rayonier Timber Operating Co.
- Bloedel Timber
- Hancock Timber
- Washington Dept of Natural Resources
- National Forest

Directions to site:

The lower reach can be accessed by starting at Forks (Tillicum Park), drive north on Highway 101 for 5.3 miles (mp 197). Take a right on Maxfield Road and follow 0.65 mi to the logging road gate. A key to the gate can be obtained at the Rayonier Timber Office or DNR. Continue straight for ~0.2 mi. This bridge crossing is Shuwah Creek. The upper reach can be accessed by starting at Forks (Tillicum Park), drive north on Highway 101 for 11.4 miles (mp 203) to Mary Clark Road. Take a right on this road and follow for 1 mile and there will be a road to the right. Take a right on this road (FS 2902). Follow this road for 2.4 miles and the road will split. Go to the right (FS 300) and follow for 0.15 miles. The upper reach of Shuwah Creek parallels this road.

Site Overview:

The majority of Shuwah Creek and its tributaries flow through timber managed lands. There have been intensive harvest activities during various times throughout much of this system. Observed impacts were weakened RMZ in areas and increase sediment input. The RMZ consists of varying amounts of conifer and alder. LWD amounts are moderate to less. The Forest Service has been conducting enhancement work in the upper reach by placing log controls within the channel. Shuwah Creek was surveyed for ~ 6.65 miles. At the survey end point, the channel was incised and the gradient was climbing; there was trout habitat above the end point. Within the surveyed stretch, there were 27 documented associated tributaries that are considered fish bearing waters. One of these upper reach tributaries (S-307R-11) has been documented in all accessed reference materials as the headwaters of Bockman Creek (S-0320).

Habitat Information:

Water source: Tributaries and terrace runoff

Intermittent/year-around:
- Year around

Estimated flows (cfs): 20+

Water temperatures: 7.0° C

Adjacent stream temperature: 7.0° C (20.0096)

Other water observations: Water is mostly clear

Site area measurements: ☐ Indirect ☐ Direct ☒ Combination

Widths: Channel- 2 m -7+ m

Ponds- NA Wetlands- NA

Depths: Channel- varies

Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): 10,815+ m (trout habitat above end point)

Total existing habitat area (est.): 54,075+ m²

- Tributaries total existing habitat area (est.): 43,452+ m²

Spawning Habitat conditions: ☐ None ☐ Poor ☐ Fair ☒ Good ☐ Excellent

Describe spawning habitat:

- There are sections of quality spawning material between RM 0.5 to RM 6.0.
- The Quileute Tribe conducts spawner surveys from RM 0.0 to RM 6.4.
- This channel does appear to have a large component of fine sediment in some areas.

Rearing habitat conditions: ☐ None ☐ Poor ☐ Fair ☒ Good ☐ Excellent

Describe pond and other rearing habitat:

- Intensive timber harvest has taken place within this watershed.
- There are areas of unstable RMZ.
- Fine sediment appears to be a large component in some areas.
- Overall, this stream appears to have a moderate (to less) amount of LWD.
- The RMZ is a varying mix of conifer and alder.
- The Forest Service has done habitat enhancement work between RM 5.5 and RM 6.0. This work has been primarily placement of control logs.

Describe inaccessible habitat:

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

Flooding potential: ☐ Low ☒ Medium ☐ High

Fish Information:

Site entry condition to (20.0096): ☐ Poor ☐ Fair ☒ Good

- Wide egress into a river bend.

Coho access and use:

Juvenile- ☐ Unknown ☐ None ☐ Poor ☐ Fair ☒ Good

Adult- ☐ Unknown ☐ None ☐ Poor ☐ Fair ☒ Good

Other species access and use: ☒ Chum ☐ Pink ☐ Sockeye ☒ Chinook ☒ Trout

- Chum, chinook, steelhead and cutthroat trout utilize this stream.

Habitat Improvements:

Enhancement opportunities:

Additional Comments:

- The Forest Service (Sol Duc Ranger District) conducted a Level II Hankin and Reeves survey on Shuwah Creek, in 1994.
- The Forest Service has done log structure placements in the upper reach.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

<input checked="" type="checkbox"/> Aerials	<input checked="" type="checkbox"/> Sketch	<input checked="" type="checkbox"/> Maps	<input type="checkbox"/> Culvert Report
<input checked="" type="checkbox"/> Other references	<input checked="" type="checkbox"/> Spawning surveys	<input type="checkbox"/> Juvenile trapping	<input type="checkbox"/> Fishway Report

RIVER: SOL DUC RIVER

AREA: S-L3

AREA MAP

9/96

